

Thailand's Pathway to Sustainability

A Strategic Analysis of SDG Integration and the Sufficiency Economy Philosophy

Academic Review: National Strategic Framework 2024–2030

1

Theoretical Foundations

Understanding the convergence of global goals and local wisdom.

2

SDG Progress: Performance Indicators

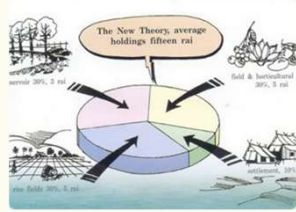
Goal Metric	Status (2023)	Trend	National Target
Poverty Reduction (Goal 1)	Moderate Progress	Rising	< 5% Multidimensional
Quality Education (Goal 4)	Significant Challenge	Stable	100% Literacy Rate
Climate Action (Goal 13)	On Track	Improving	Net Zero by 2065
Life Below Water (Goal 14)	Moderate Progress	Stable	Marine Conservation +30%

3

Sufficiency Economy Philosophy (SEP)

The Sufficiency Economy Philosophy, bestowed by His Majesty King Bhumibol Adulyadej, serves as the cornerstone of Thailand's sustainable development paradigm.

- ✔ **Moderation:** Balanced consumption and production.
- ✔ **Reasonableness:** Evidence-based decision-making.
- ✔ **Self-Immunity:** Resilience against external shocks.
- ✔ **Knowledge & Ethics:** The dual foundations of action.



4

SDG Ranking: ASEAN Comparative Analysis



Source: Sustainable Development Report 2023. Thailand leads the region in SDG index performance.

5

The BCG Economic Model

 Bio-Economy Leveraging biological resources to create high-value products in agriculture and health sectors.	 Circular Economy Optimizing resource utilization through recycling, upcycling, and waste-to-energy initiatives.	 Green Economy Ensuring economic growth occurs alongside environmental stability and social well-being.
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6

Climate Resilience

Thailand faces significant climate risks, particularly in its extensive coastal regions and agricultural plains. The national strategy prioritizes:

- ✓ Mangrove restoration to combat coastal erosion.
- ✓ Adoption of Climate-Smart Agriculture (CSA).
- ✓ Transition to a carbon-neutral industrial sector.

Target: Reducing GHGs by 40% by 2030 (with international support).



7

13th National Development Plan

High-Value Economy

Focusing on technological transformation and innovation-driven competitiveness to escape the middle-income trap.

Opportunity Society

Reducing social disparities by improving access to education, healthcare, and digital literacy for rural communities.

8

Advancing Social Equity

- ✓ **Equitable Healthcare:** Strengthening the Universal Health Coverage (UHC) scheme.
- ✓ **Educational Reform:** Aligning vocational training with industry 4.0 requirements.
- ✓ **Gender Parity:** Enhancing female participation in high-level corporate and political governance.
- ✓ **Community Inclusion:** Empowerment of ethnic minorities and marginalized groups.



9

Grassroots Innovation





Smart Farming
IoT integration in local organic farming projects.

Sustainable Tourism
Community-based management of natural assets.

Urban Resilience
Smart city initiatives in Bangkok and EEC zones.

10

Conclusion and Strategic Outlook

2030

Target Horizon

Thailand demonstrates a robust commitment to the 2030 Agenda through a unique hybrid of global standards and indigenous philosophy (SEP). Key success factors include continued inter-ministerial coordination and the successful scaling of the BCG economy model.

11

Discussion & Inquiries

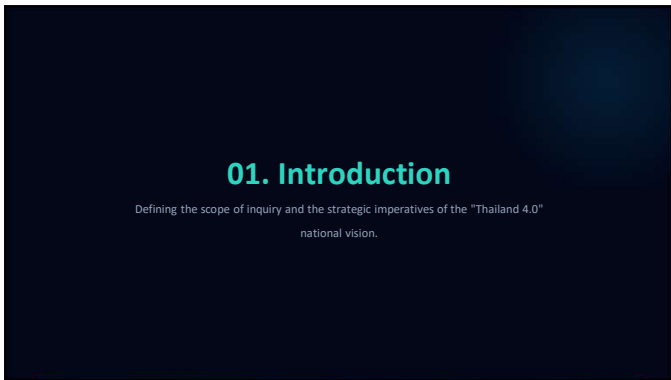
Thank you for your academic interest in Thailand's development journey.

Contact: National Economic and Social Development Council
Academic Inquiry: contact@nesdc.go.th

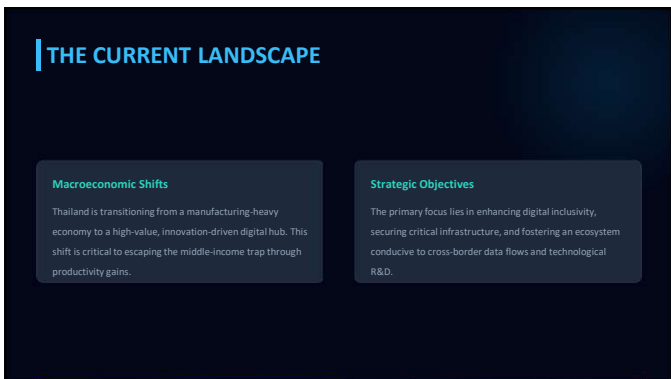
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15

HUMAN CAPITAL & LITERACY



Addressing the Skills Gap
Empirical evidence suggests that digital literacy is a primary driver of economic resilience. Policy interventions now prioritize upskilling the workforce in AI, data analytics, and cybersecurity to meet global labor standards.

- Vocational Training Integration
- STEM Education Reform

16

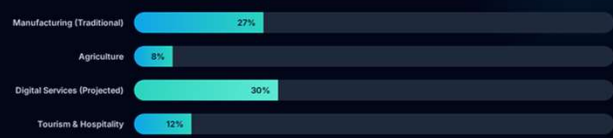
TECHNOLOGICAL INFRASTRUCTURE

5G Deployment & Edge Computing
Thailand currently leads the ASEAN region in 5G penetration. This infrastructure serves as the backbone for Smart City initiatives and IoT-enabled industrial zones in the Eastern Economic Corridor (EEC).
The integration of high-speed connectivity is estimated to catalyze a 10% increase in manufacturing efficiency by 2026.



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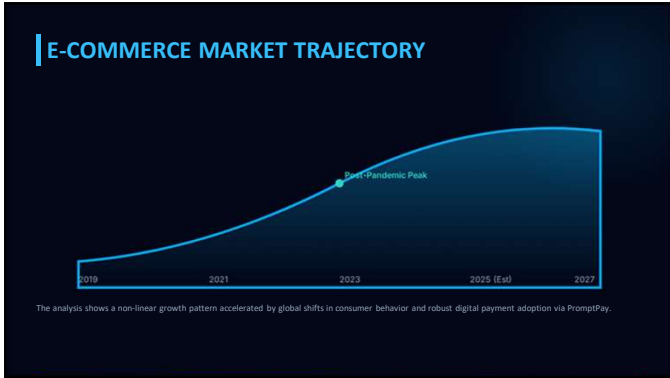
GDP CONTRIBUTION TRENDS



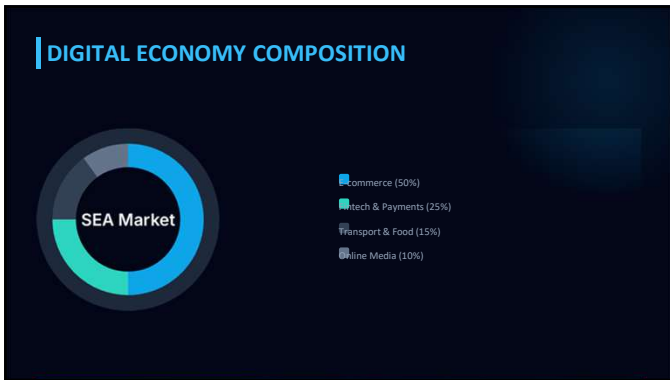
Category	Contribution (%)
Manufacturing (Traditional)	27%
Agriculture	9%
Digital Services (Projected)	30%
Tourism & Hospitality	12%

Source: Thailand National Statistical Office (NSO) 2024 Projections

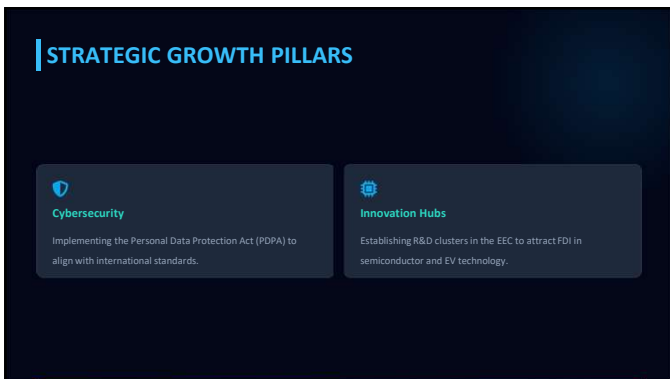
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21

TRANSFORMATION ROADMAP

Phase I (2016-2020)	Phase II (2021-2023)	Phase III (2024-2026)	Phase IV (2027+)
Foundation: Digital Infrastructure & PromptPay Launch.	Scaling: E-commerce boom and 5G network expansion.	Integration: Adoption and Cloud-first policies.	Optimization: Fully integrated Smart Nation status.

22

ASEAN COMPARATIVE METRICS

Metric	Thailand	Singapore	Vietnam	Indonesia
Digital Economy Growth	15% CAGR	10% CAGR	25% CAGR	19% CAGR
5G Connectivity Rank	Tier 1	Tier 1	Tier 3	Tier 2
Digital Literacy Index	72.5	89.1	65.4	68.2

23

Questions & Discussion

Exploring the Intersection of Policy and Performance

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Faculty of Digital Strategic Studies

24

Strategic Analysis of Thailand's Digital Economy
 A Comprehensive Review of Policy Roadmaps, Economic Impact, and Future Strategic Growth Drivers (2024-2030)
 Academic Excellence Series | Digital Transformation Faculty

25

01. Introduction
 Defining the scope of inquiry and the strategic imperatives of the "Thailand 4.0" national vision.

26

THE CURRENT LANDSCAPE

Macroeconomic Shifts

Thailand is transitioning from a manufacturing-heavy economy to a high-value, innovation-driven digital hub. This shift is critical to escaping the middle-income trap through productivity gains.

Strategic Objectives

The primary focus lies in enhancing digital inclusivity, securing critical infrastructure, and fostering an ecosystem conducive to cross-border data flows and technological R&D.

27

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28

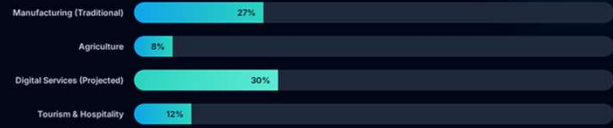
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29

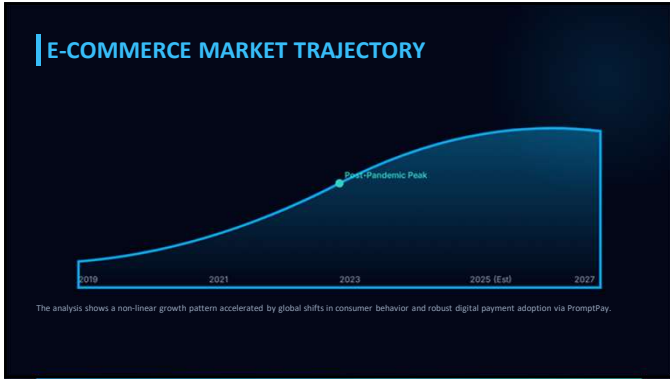
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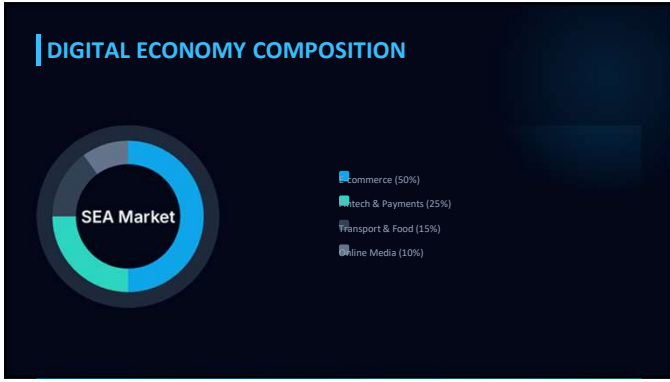
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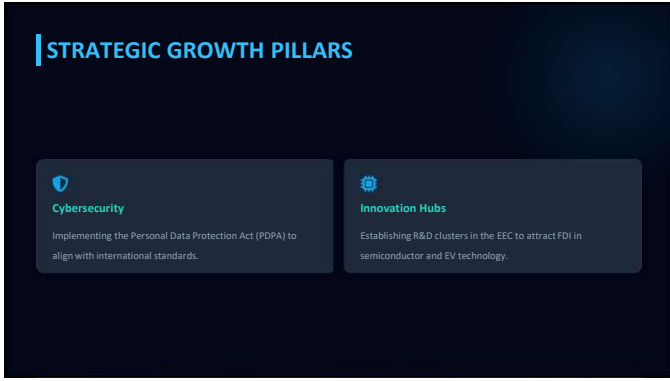
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31



32



33

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34

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35

Thailand's Digital Transformation

A Strategic Academic Analysis of the Socio-Economic Shift towards Industry 4.0

Presented by the Department of Strategic Economics

36

Section I


Theoretical Framework & Research Context

37

THE IMPETUS FOR DIGITAL INTEGRATION

The transition to a digital economy is driven by converging global and local factors:

- **Global Connectivity:** Rapid integration into the global technological ecosystem.
- **Economic Pressure:** The necessity to escape the middle-income trap through innovation.
- **Government Mandates:** Strategic alignment with the "Thailand 4.0" national initiative.



38

CORE OBJECTIVES OF THE STUDY

- To evaluate the current state of digital readiness across primary economic sectors in Thailand.
- To identify systemic barriers impeding technological adoption within Small and Medium Enterprises (SMEs).
- To assess the correlation between digital infrastructure investment and national GDP growth.
- To propose a policy framework for sustainable digital literacy and workforce upskilling.

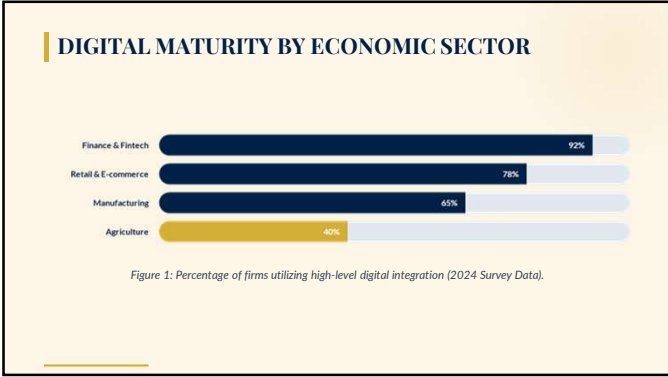
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INTEGRATED RESEARCH METHODOLOGY

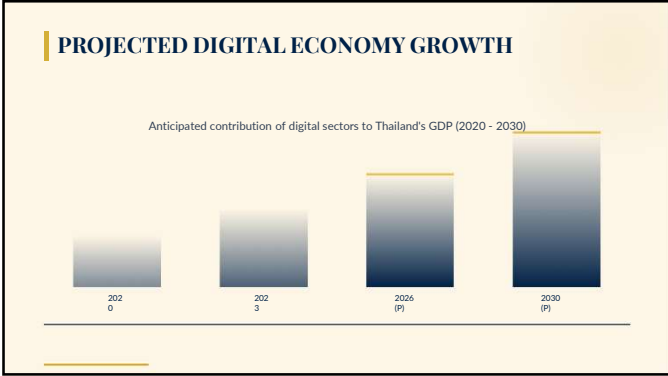
Quantitative Analysis
A comprehensive survey of 500+ enterprises across Thailand, measuring digital maturity through standardized KPI indices and investment metrics.

Qualitative Insights
In-depth case studies and semi-structured interviews with 25 key industry leaders and policymakers in the Bangkok tech corridor.

40



41



42

SIGNIFICANT PRODUCTIVITY GAINS



35%
Productivity Increase

The Value of Digital Maturity

Empirical evidence suggests that firms achieving "Digitally Mature" status observe a minimum of 35% increase in operational efficiency and output value compared to traditional counterparts.

43

STRATEGIC PILLARS FOR SUCCESS

Innovation

Investment in R&D and proprietary technology stacks to build local competitive advantages.

Workforce

Continuous education and upskilling programs to meet the demand for digital talent.

Policy Reform

Regulatory sandboxes and fiscal incentives to encourage private sector digital adoption.

44

POLICY RECOMMENDATION FRAMEWORK

Policy Domain	Current State	Proposed Academic Enhancements
Data Governance	Fragmented regulations	Unified National Data Privacy & Sovereignty Act
Tax Incentives	Generic tax breaks	Targeted R&D credits for high-tech manufacturing
Infrastructure	Urban-centric 5G	Subsidized Rural Broadband & Smart Farming grids

45

AI Neural Network Visualization

THE FUTURE HORIZON

Emerging Drivers

Artificial Intelligence (AI), Blockchain, and Quantum Computing are poised to be the next-generation drivers of Thai industry.

Academic focus must shift towards ethical AI implementation and decentralized financial security to ensure long-term socio-economic stability.

46

Q & A

Thank you for your attention.

"Digital transformation is not a destination, but a continuous evolution."

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47